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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/660,183	09/11/2003	Sebastien Perrot	PF020113	5791
24498 7590 01/08/2008 THOMSON LICENSING LLC Two Independence Way Suite 200 PRINCETON, NJ 08540			EXAMINER TSEGAYE, SABA	
			ART UNIT 2619	PAPER NUMBER
			MAIL DATE 01/08/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/660,183

Applicant(s)

PERROT ET AL.

Examiner

Saba Tsegaye

Art Unit

2619

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 October 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This Office Action is in response to the amendment filed 10/15/07. Claims 1-16 are pending. Currently no claims are in condition for allowance.

Claim Objections

2. Claims 15 and 16 are objected to because of the following informalities: it has been held that the recitation that an element is “**adapted to**” perform a function is not a positive limitation but only requires the ability to so perform. It does not constitute a limitation in any patentable sense. *In re Hutchison*, 69 USPQ 138.

Claim Rejections - 35 USC § 103

3. Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bender et al. (WO 00/18066) in view of the admitted prior art (“APA”) as disclosed in applicant’s specification Fig. 1, page 1 line 12-22.

Regarding claims 1 and 15, Bender discloses a method for connecting a device (40) not having wireless communication capability to a wireless network; characterized, at the level of a bridge device (42) comprising means for interfacing with the wireless network (56) comprising and access point (58, 60) (see fig. 4), by the steps of:

detecting a connection between the device and the bridge device (page 8, lines 1-25);

determining an address for the device and for the bridge device (page 11, lines 3-5; page 10, lines 19-23);

separately registering to the access point, with the respective addresses, the device and itself as wireless devices on the wireless network (page 9, lines 7-12; page 11, lines 3-7).

Bender does not expressly disclose wherein the registration is performed through an authentication and an association process of the type as defined by the IEEE 802.11 standard.

However, Bender discloses, on page 13, lines 19-20, that the wireless link connection may operate under one of a plurality of well known or later developed operating protocols. Further, Bender discloses that a standard IP suit system connecting the wireless modem 42 and a network unit 58 over a wireless link 56. The IP suit may be used to internetwork a diverse range of LANs and WANs (page 6, line 27-page 7 line 5).

APA discloses that it is well known for wireless network to use the IEEE 802.11 specification to allow stations on the wireless network to exchange data.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use IEEE 802.11 standard in the system of Bender in order to use a set of standard for wireless LAN to exchange data.

Regarding claim 2, Bender discloses the method wherein the addresses are MAC addresses (page 9, line 31; page 10, lines 13-20).

Regarding claim 3, Bender discloses the method further comprising the step of having the bridge device monitor traffic on the wireless network for the device (see fig. 4)

Regarding claim 4, Bender discloses the method further comprising the step of programming packet filters for packets having as destination address the address of the device, and upon detection of such a packet, acknowledging receipt of the packet in place of the device (page 12, lines 3-14).

Regarding claims 5 and 6, Bender discloses the method further comprising at least one of the following steps: forwarding all multicast packet on the wireless network from the bridge device to the connected device; forwarding all broadcast packets detected on the wireless network from the bridge device to the connected device; forwarding unicast packets on the wireless network having as destination the address of the connected device to that device (page 5, lines 6-20).

Regarding claims 7-9, Bender discloses the method where the connection between the device and the bridge device is an Ethernet connection, and wherein the step of detecting the connection comprises monitoring packets on the Ethernet connection for detecting a previously unknown source address of an Ethernet device (page 6, lines 8-14).

Regarding claims 10-13, Bender discloses the step of maintaining a single management information base for both the bridge device and the connected device (see Fig. 3a; the transceiver 44 comprises a standard Ethernet communication card; the transceiver 46 typically comprises a

wireless link communication module; **the processor 48 interfaces with transceivers 44 and 46 as well as a memory unit 50).**

Regarding claims 14 and 16, Bender discloses bridge device (42) comprising means for communication on a wireless network (56) and for connection of a first device (40) not having wireless communication capability (Ethernet connection) to a wireless network comprising an access point (58, 60), the bridge device comprising:

means for determining an address of the first device and of the bridge device (page 11, lines 3-5);

means for carrying out two separate device registrations on the wireless network, one for the bridge device, and one for the first device, using respective addresses (page 9, lines 7-12).

Bender does not expressly disclose wherein the registration is performed through an authentication and an association process of the type as defined by the IEEE 802.11 standard.

However, Bender discloses, on page 13, lines 19-20, that the wireless link connection may operate under one of a plurality of well known or later developed operating protocols. Further, Bender discloses that a standard IP suit system connecting the wireless modem 42 and a network unit 58 over a wireless link 56. The IP suit may be used to internetwork a diverse range of LANs and WANs (page 6, line 27-page 7 line 5).

APA discloses that it is well known for wireless network to use the IEEE 802.11 specification to allow stations on the wireless network to exchange data.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use IEEE 802.11 standard in the system of Bender in order to use a set of standard for wireless LAN to exchange data.

Response to Arguments

4. Applicant's arguments with respect to claims 1-16 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Saba Tsegaye whose telephone number is (571) 272-3091. The examiner can normally be reached on Monday-Friday (7:30-5:00), First Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on (571) 272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Saba Tsegaye
Examiner
Art Unit 2619

ST
January 4, 2008


WING CHAN
SUPERVISORY PATENT EXAMINER
1/4/08